THE *Petroleum* **Engineer**

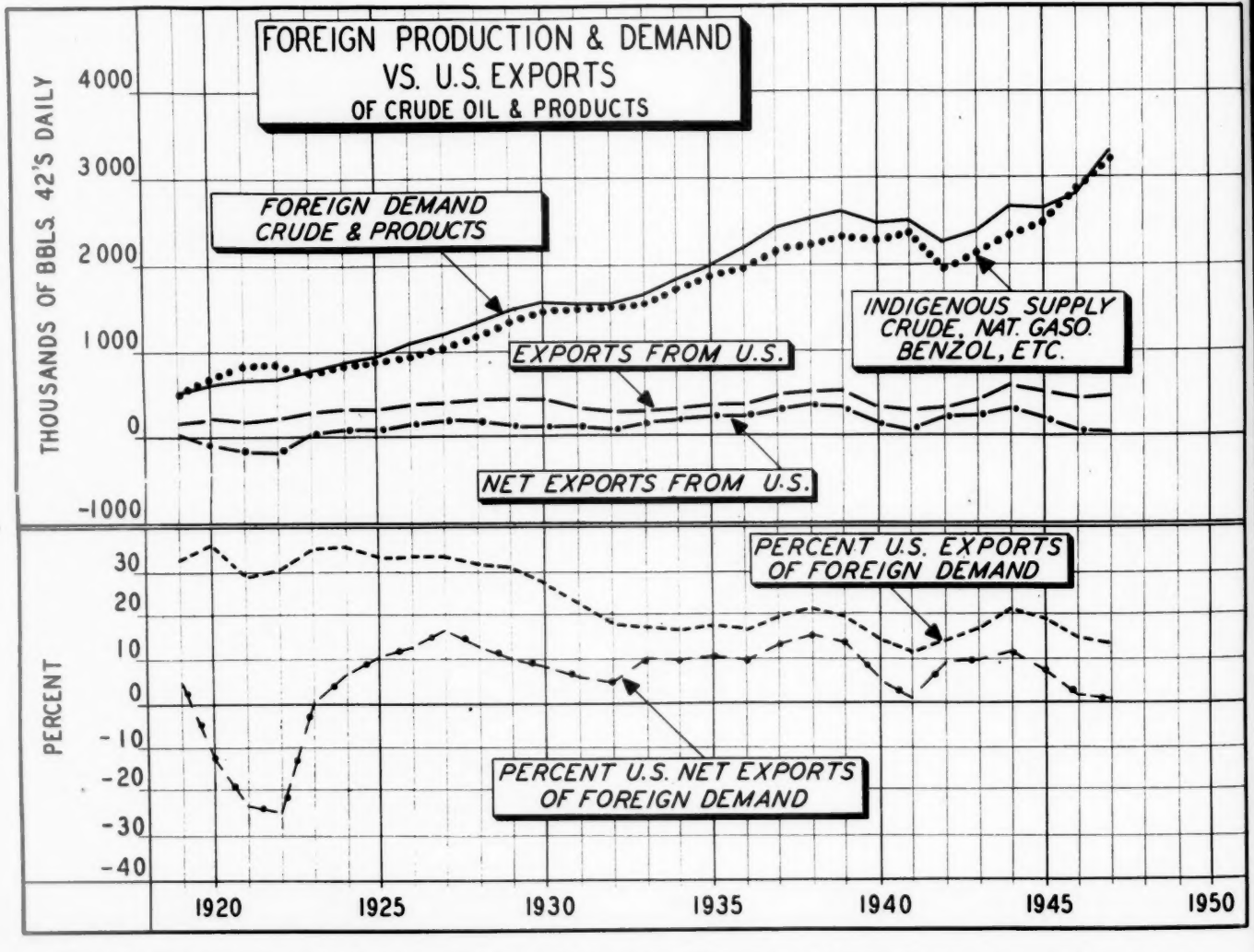
INDEX to Vol. XX
From October, 1948 to December, 1948, Inclusive

SUBJECT INDEX

TITLE OF ARTICLE AND AUTHOR	Decimal No.	No.	Mo.	Year	Page
GENERAL					
History and Analysis of Bureau of Mines' Petroleum and Natural Gas Division, Part I, Ernestine Adams	031.132	3	Dec.	1948	41
International Scholarships Improve Trade Relations	093.1	1	Oct.	1948	168
GEOGRAPHICAL					
Roundup of World Oil Activities, Ernestine Adams	100.	1	Oct.	1948	45
Petroleum Map of Wyoming	111.52	2	Nov.	1948	188
Pictorial Wyoming	111.52	2	Nov.	1948	126
Wyoming—Its Past and Its Promise, Ernestine Adams	111.52	2	Nov.	1948	37
Mexican Oil Increase due to Poza Rica Field, John J. Slattery	112.	1	Oct.	1948	158
Canada, 1948, Floyd K. Beach	113.	1	Oct.	1948	125
Interesting New Discoveries in Venezuela	122.	1	Oct.	1948	190
Paraguay Diary, C. S. Perkins	129.	1	Oct.	1948	139
Pipe Line Problems Affect Chile's Oil Development, Glen M. Ruby	129.	1	Oct.	1948	164
Third Well Drilling in the Paraguayan Chaco, Richard Sneddon	129.	1	Oct.	1948	182
Two Years in France, Edward D. Lynton	135.	1	Oct.	1948	170
Australasia	161.	1	Oct.	1948	264
PHYSICAL AND CHEMICAL PROPERTIES OF PETROLEUM					
Crude Oils of Wyoming, John S. Ball and Ralph H. Espach	210. and 220.	2	Nov.	1948	229
EXPLORATION AND PROSPECTING FOR PETROLEUM					
Geology and Petroleum Resources of Wyoming Horace D. Thomas	305.111.52	2	Nov.	1948	128
Offshore California Gets Geophysical Survey, Richard Sneddon	306.3	1	Oct.	1948	242
Above Ground Detonations Used in Seismic Exploration	368.2	3	Dec.	1948	124
DEVELOPMENT OF FIELDS					
New Try Made for Signal Hill Deep Zone, Richard Sneddon	409.	2	Nov.	1948	177
What Leduc Means to Canada, H. G. Cochrane	409.	3	Dec.	1948	128
Dry Hole Survey Lessens Water Flooding Hazards, F. R. Cozzens	410.	1	Oct.	1948	184
Drilling					
Advancement in Contract Drilling, A. J. Heiser	420.	1	Oct.	1948	222
Plastic Tubes Preserve Core Information, Wallace Sawdon	420.111.	3	Dec.	1948	139
Development of Kleiner Pool Revives Interest in Cisco, Texas, Claribel Thompson	420.13	3	Dec.	1948	157
Late Exploratory Developments in Wyoming, Irving Garbutt	420.13	2	Nov.	1948	154
Fuel Oil for Diesel Locomotives in Relation to the Supply of Petroleum	422.344.4	1	Oct.	1948	105
Large Steam Rig Service Has Deep Drilling Laboratory, K. Marshall Fagin	425.21	3	Dec.	1948	115
British Designed 150-hp 3-Drum Transportable Hoist, F. G. Bailey	425.217.	3	Dec.	1948	53
Measurement of Mud Viscosities at High Temperatures, V. N. Bednarski	425.218.411.	1	Oct.	1948	192
Recording Device for Control of Drilling Mud, F. Neurath	425.218.411.	2	Nov.	1948	182
Plastic Resins Used With Oil-Base Mud, Orie O. Dale	425.218.43	2	Nov.	1948	168
Cementing Wells					
Analysis of Present Day Oil Well Casing Cementing Practice, W. H. Griffin	444.	2	Nov.	1948	117
PRODUCTION					
The Natural Gas Industry, E. DeGolyer	502.	3	Dec.	1948	148
Oil Production					
Calculation of Pumping Unit Engine Drives, Ed Caraway	514.5	1	Oct.	1948	156
How to Select Sucker Rod Pumps, Kenneth N. Mills	514.5	3	Dec.	1948	142
Increasing Production Efficiency					
Application of Secondary Recovery in the United States as Related to Emergency Oil Requirements, Paul D. Torrey	530.	2	Nov.	1948	190
Gas Injection Into San Andres Formation Begun at Goldsmith, K. Marshall Fagin	533.2	2	Nov.	1948	141
Economics of Cycling, M. G. Arthur	537.5	1	Oct.	1948	142
Retorting of Oil Shales					
Union Develops Shale Oil Retorting Method, Homer Reed and Clyde Berg	584.31	3	Dec.	1948	214
TRANSPORTATION, STORAGE, AND GAUGING					
Wyoming Pipe Lines Meet Production Demands, Irving Garbutt	605.	2	Nov.	1948	271
Heater Box for Control Valve	683.35	1	Oct.	1948	290
Oil Transportation					
Alaska Standard Has First Major Overhaul in 24 Years	614.	1	Oct.	1948	341
Tanker Transportation, M. G. Gamble	614.	2	Nov.	1948	276
Middle East Pipe Lines, Frank H. Love	615.	1	Oct.	1948	325
Oil Pipe Line Construction Since the War, John E. Boice	615.	3	Dec.	1948	258
Oxygen Carrier Device, O. C. Irvine	615.322.	2	Nov.	1948	278
Station Modernization Program Increases Capacity and Lowers Operating Costs, Frank H. Love	615.512.	2	Nov.	1948	282
Interfacial Mixing Characteristics of Products in Products Pipe Line, Part 2, S. S. Smith and R. K. Schulze	615.6	1	Oct.	1948	330
Tapping Machine Aids in Draining Pipe Lines, A. M. Hill	615.63	2	Nov.	1948	273
Management Information on Cathodic Protection	615.635. and 629.1	3	Dec.	1948	262
Maine's First Products Line, L. R. Dickinson	615.92	3	Dec.	1948	254
Modern Pipe Line Stations—Hebert, Initial Station on Products Line, Frank H. Love	615.92	2	Nov.	1948	296
Modern Stations—New Stations in Utility Line Service	615.92	1	Oct.	1948	355
Gas Transportation					
Contract Let for Longest Gas Line	620.	3	Dec.	1948	243
Argentine 1100-Mile Pipe Line, Frank H. Love	623.	1	Oct.	1948	321
New Outlet for Largest Gas Field, Frank H. Love	623.	3	Dec.	1948	245
Ingenious Gas Line Leak Detector Proves Effective, Richard Sneddon	625.2	1	Oct.	1948	340
REFINING					
Processes					
Catalytic Reactions and Process Design Hold Attention of Chemical Engineers	720.	2	Nov.	1948	255
Hydrocarbon Absorption and Fractionation Process Design Methods, Part 17, Wayne C. Edmister	720.1	3	Dec.	1948	193
Problems Associated with Fischer-Tropsch Process Eugene Ayres, C. W. Montgomery, and Joel H. Hirsch	720.1	3	Dec.	1948	203
Hydrogen and Synthesis Gas Production, R. M. Reed and Arne Eriksen	720.4	1	Oct.	1948	278
Design and Operation of Leonard TCC Unit, George Kelso, C. C. Peavy, G. D. Myers, and A. W. Hoge	721.3	1	Oct.	1948	293
TCC Unit Catalytically Processes Sour Gas Oil, William M. Carney, Henry D. Noll, and A. Welsey Hoge	721.33	2	Nov.	1948	246
Catalytic Polymerization New McMurrey Unit, O. C. DeLoach	729.6	1	Oct.	1948	286
Design and Construction					
Self-Contained Naphtha Polyforming Correlation, W. A. Goldtrap and E. L. Jones	731.1	1	Oct.	1948	269
Texaco Plant Typical of Wyoming's Best, Arch L. Foster	731.1	2	Nov.	1948	236
Products and Manufacture					
Synthetic Glycerin Plant Goes on Stream, Arch L. Foster	751.71	1	Oct.	1948	274
Recovery of Liquids from Gas					
Convert Sligo Plant to Higher Pressure, Don Attaway	773.7	2	Nov.	1948	252
More Propane for Less Money, Z. C. Ambrose	775.1	3	Dec.	1948	220
ECONOMICS OF THE OIL AND GAS INDUSTRY					
A Critical Review of Methods Used in the Estimation of Natural Gas Reserves, Henry J. Gruy and Jack A. Crichton	904.	1	Oct.	1948	208
U. S. Companies Expand Foreign Operations, H. J. Struth	910.	1	Oct.	1948	39
Capital Formation in the Petroleum Industry, Joseph E. Pogue and Frederick G. Coqueron	922.	3	Dec.	1948	60
Export Men Have Unique Organization, Richard Sneddon	961.21	2	Nov.	1948	150
Wyoming Oil and Gas Regulations, W. H. Everett	986.	2	Nov.	1948	47
Who Were These Pioneers? Harry Botsford	991.	1	Oct.	1948	188

AUTHOR INDEX

Author—	Page
Adams, Ernestine	
Vol. 20, No. 1	45
Vol. 20, No. 2	37
Vol. 20, No. 3	41
Ambrose, Z. C.	
Vol. 20, No. 3	220
Anonymous	
Vol. 20, No. 1	105, 168, 190, 264, 290, 341, 355
Vol. 20, No. 2	126, 188, 255
Vol. 20, No. 3	124, 243, 262
Arthur, M. G.	
Vol. 20, No. 1	142
Attaway, Don	
Vol. 20, No. 2	252
Ayres, Eugene	
Vol. 20, No. 3	203
Bailey, F. G.	
Vol. 20, No. 3	53
Ball, John S.	
Vol. 20, No. 2	229
Beach, Floyd K.	
Vol. 20, No. 1	125
Bednarski, V. N.	
Vol. 20, No. 1	192
Berg, Clyde	
Vol. 20, No. 3	214
Boice, John E.	
Vol. 20, No. 3	258
Botsford, Harry	
Vol. 20, No. 1	188
Caraway, Ed	
Vol. 20, No. 1	156
Carney, William M.	
Vol. 20, No. 2	246
Cochrane, H. G.	
Vol. 20, No. 3	128
Coqueron, Frederic G.	
Vol. 20, No. 3	60
Cozzens, F. R.	
Vol. 20, No. 1	184
Crichton, Jack A.	
Vol. 20, No. 1	208
DeGolyer, E.	
Vol. 20, No. 3	148
Dale, Orie O.	
Vol. 20, No. 2	168
DeLoach, O. C.	
Vol. 20, No. 1	286
Dickinson, L. R.	
Vol. 20, No. 3	254
Edmister, Wayne C.	
Vol. 20, No. 3	193
Eriksen, Arne	
Vol. 20, No. 1	278
Espach, Ralph H.	
Vol. 20, No. 2	229
Everett, W. H.	
Vol. 20, No. 2	47
Fagin, K. Marshall	
Vol. 20, No. 2	141
Vol. 20, No. 3	115
Foster, Arch L.	
Vol. 20, No. 1	274
Vol. 20, No. 2	236
Gamble, M. G.	
Vol. 20, No. 2	276
Garbutt, Irving	
Vol. 20, No. 2	154, 271
Goldtrap, W. A.	
Vol. 20, No. 1	269
Griffin, W. H.	
Vol. 20, No. 2	117
Gruy, Henry J.	
Vol. 20, No. 1	208
Heiser, A. J.	
Vol. 20, No. 1	222
Hill, A. M.	
Vol. 20, No. 2	273
Hirsch, Joel H.	
Vol. 20, No. 3	203
Hoge, A. Wesley	
Vol. 20, No. 1	293
Vol. 20, No. 2	246
Irvine, O. C.	
Vol. 20, No. 2	278
Jones, E. L.	
Vol. 20, No. 1	269
Kelso, George	
Vol. 20, No. 1	293
Love, Frank H.	
Vol. 20, No. 1	321, 325
Vol. 20, No. 2	282, 296
Vol. 20, No. 3	245
Lynton, Edward D.	
Vol. 20, No. 1	170
Mills, Kenneth N.	
Vol. 20, No. 3	142
Montgomery, C. W.	
Vol. 20, No. 3	203
Myers, G. D.	
Vol. 20, No. 1	293
Neurath, F.	
Vol. 20, No. 2	182
Noll, Henry D.	
Vol. 20, No. 2	246
Peavy, C. C.	
Vol. 20, No. 1	293
Perkins, C. S.	
Vol. 20, No. 1	139
Pogue, Joseph E.	
Vol. 20, No. 3	60
Reed, Homer	
Vol. 20, No. 3	214
Reed, R. M.	
Vol. 20, No. 1	278
Ruby, Glen M.	
Vol. 20, No. 1	164
Sawdon, Wallace	
Vol. 20, No. 3	139
Schulze, R. K.	
Vol. 20, No. 1	330
Slattery, John J.	
Vol. 20, No. 1	158
Smith, S. S.	
Vol. 20, No. 1	330
Sneddon, Richard	
Vol. 20, No. 1	182, 242, 340
Vol. 20, No. 2	150, 177
Struth, H. J.	
Vol. 20, No. 1	39
Thomas, Horace D.	
Vol. 20, No. 2	128
Thompson, Claribel	
Vol. 20, No. 3	157
Torrey, Paul D.	
Vol. 20, No. 2	190



From The Petroleum Data Book, Second Edition, which carries 750 pages of information on the petroleum industry.